

FIG. 1

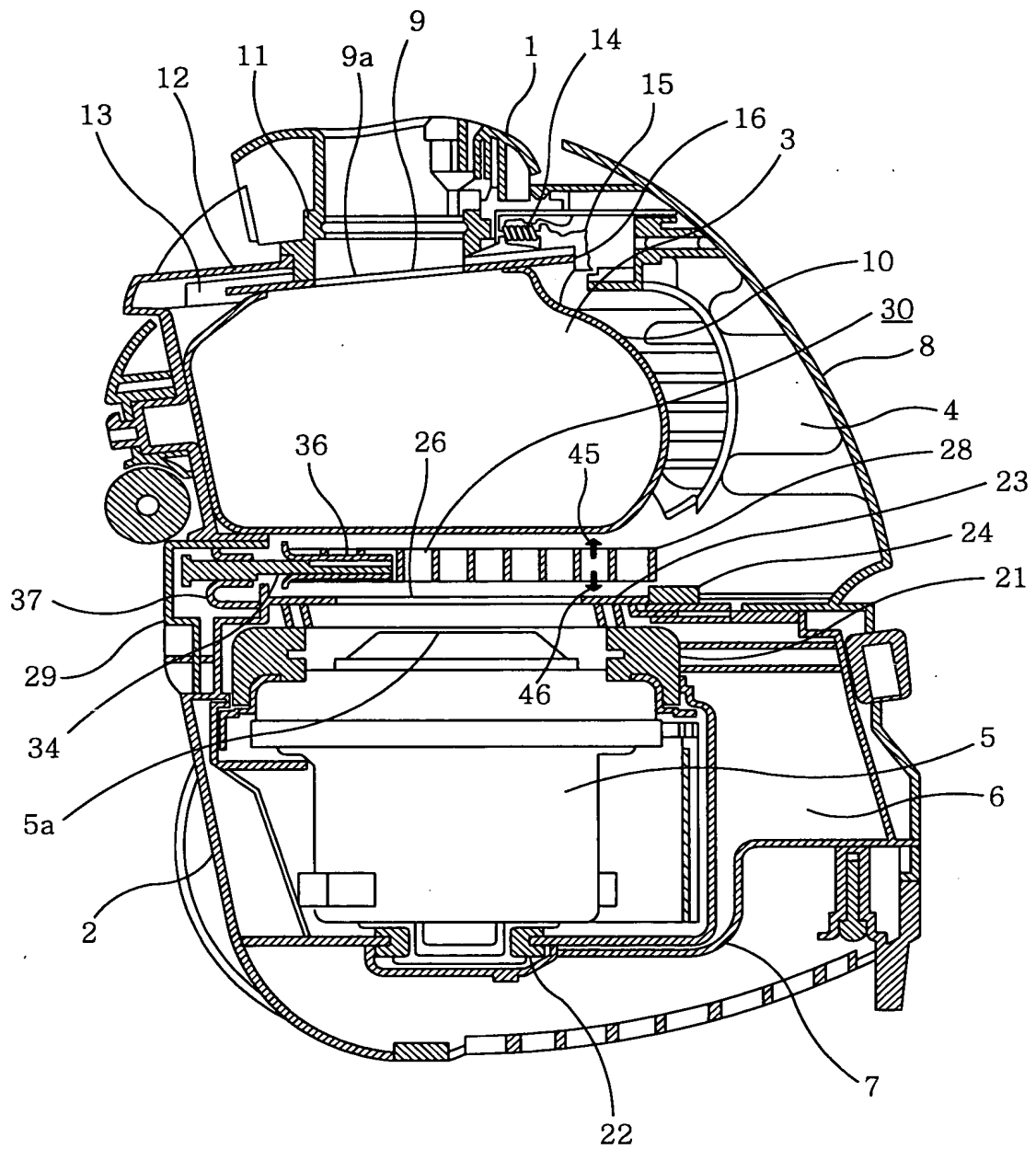


FIG.2

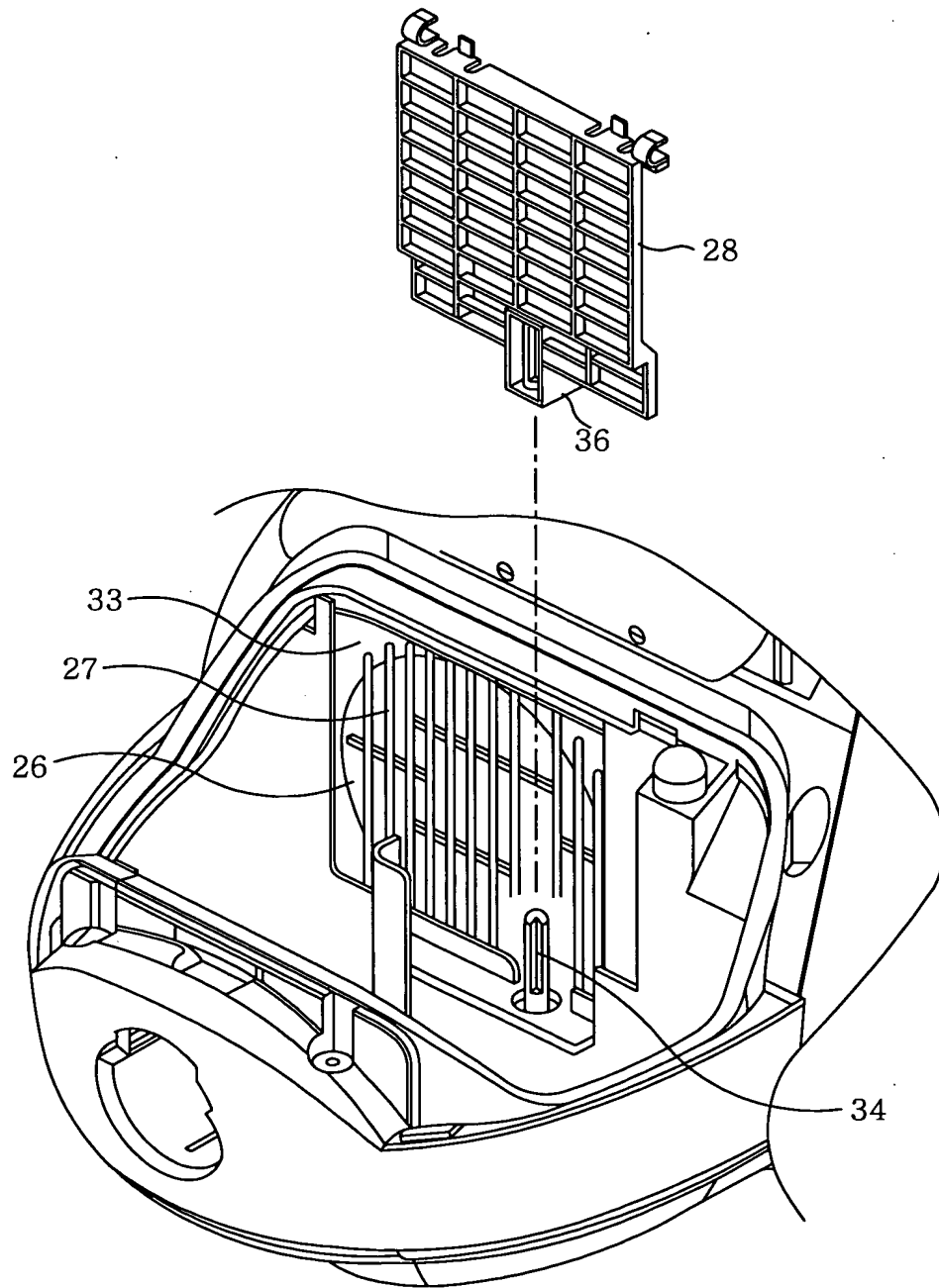


FIG. 3

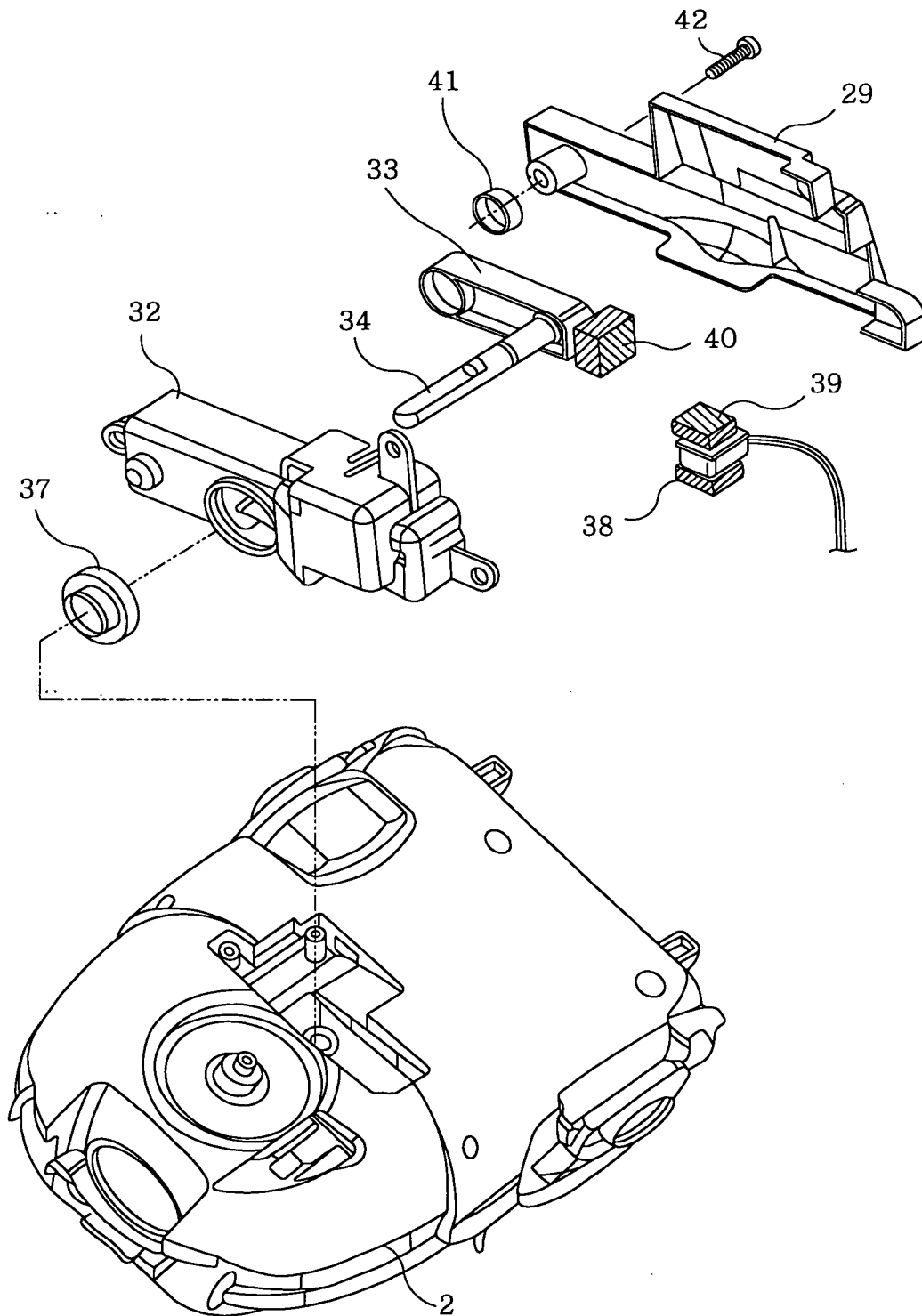


FIG. 4

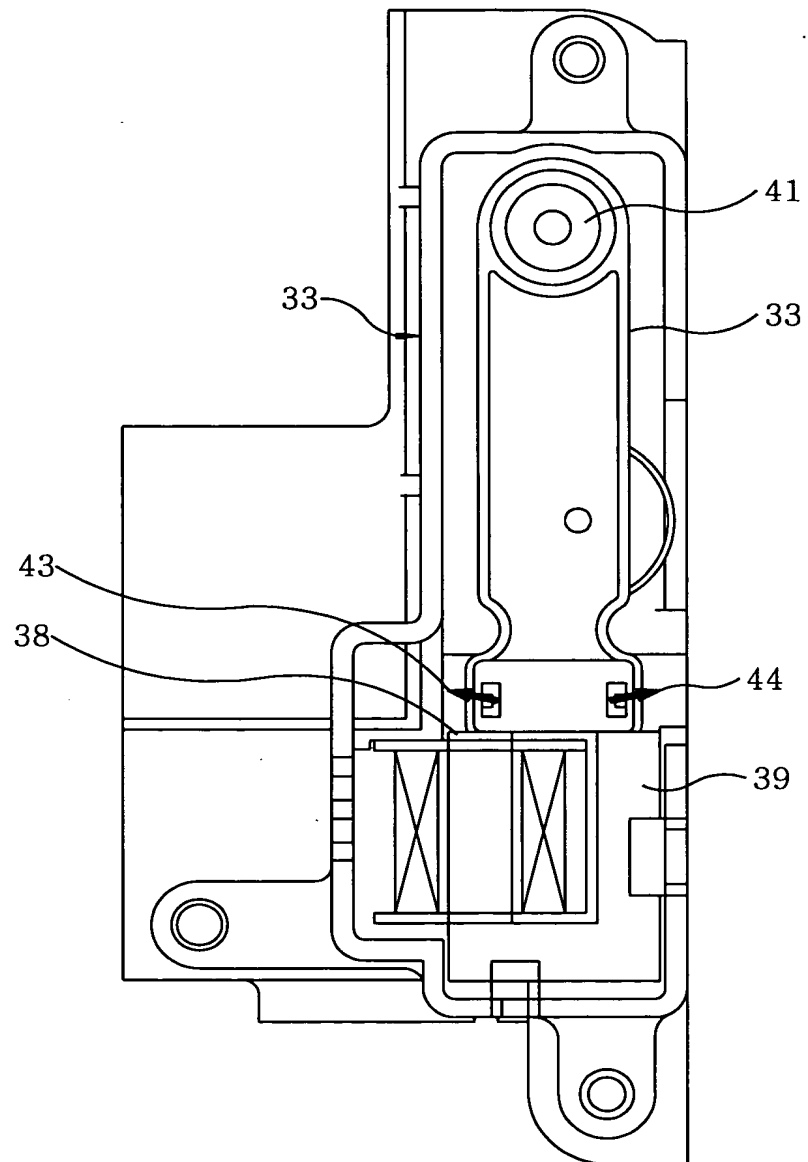


FIG. 5

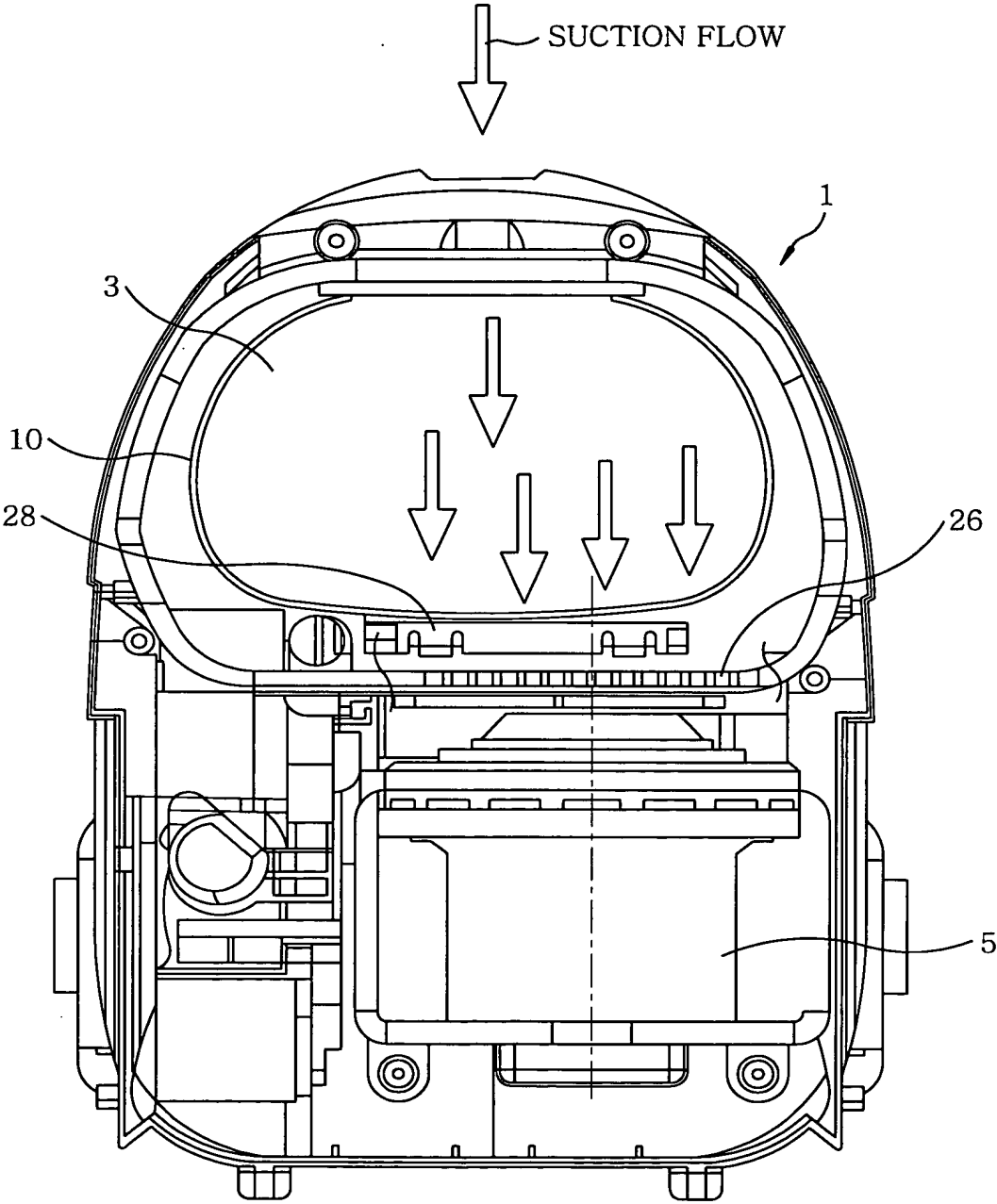


FIG. 6

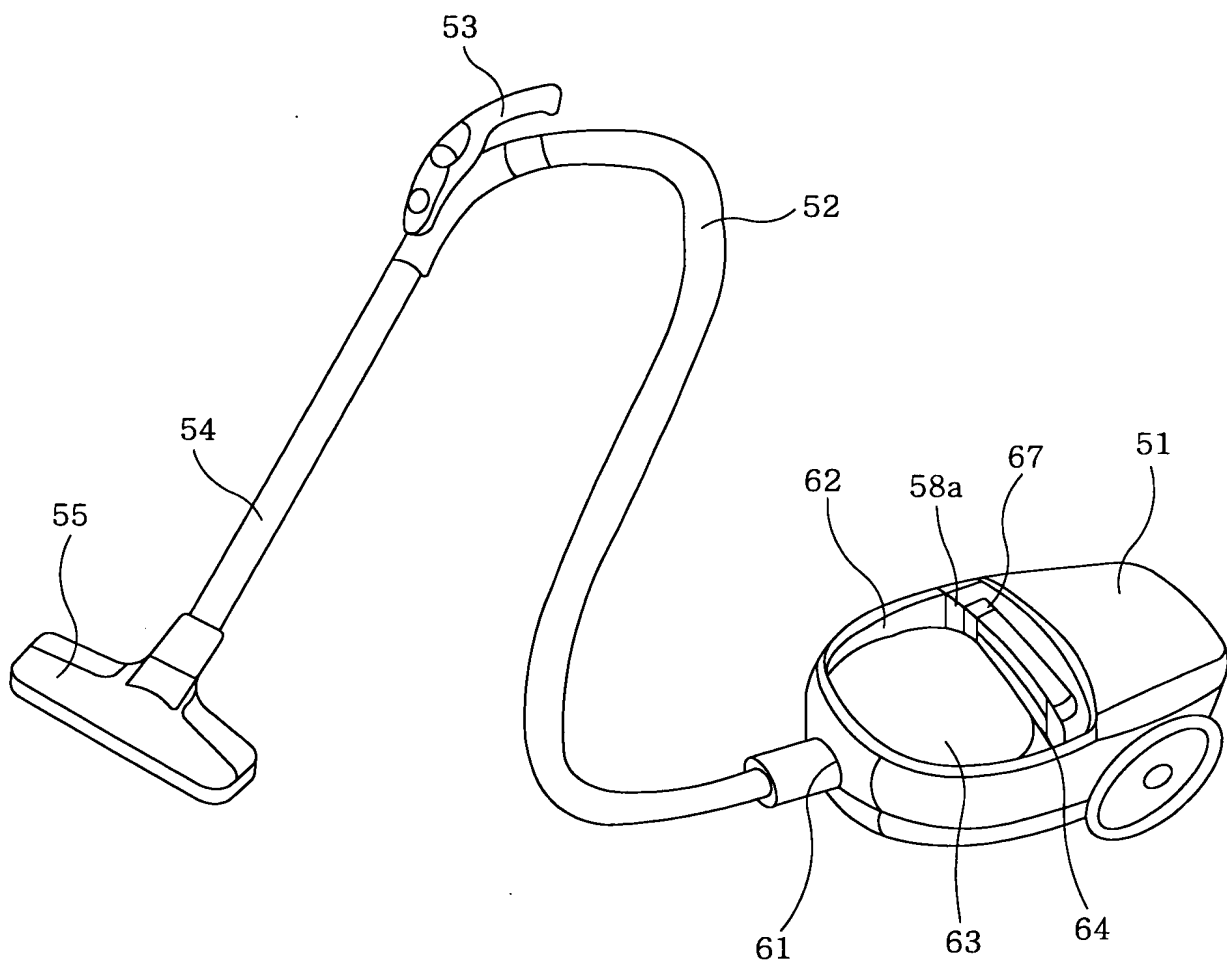


FIG. 7

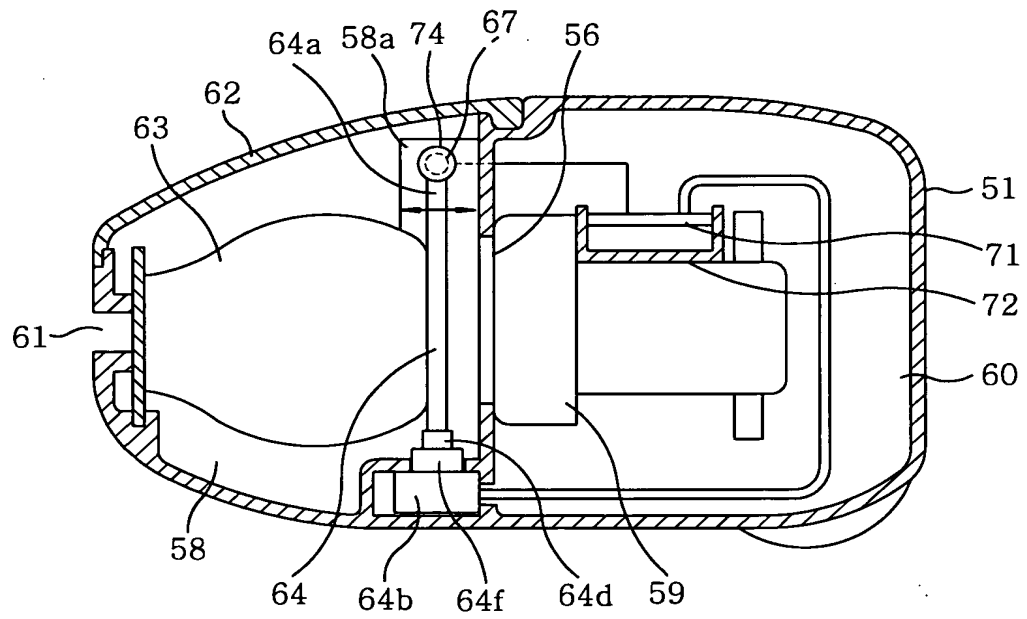


FIG. 8

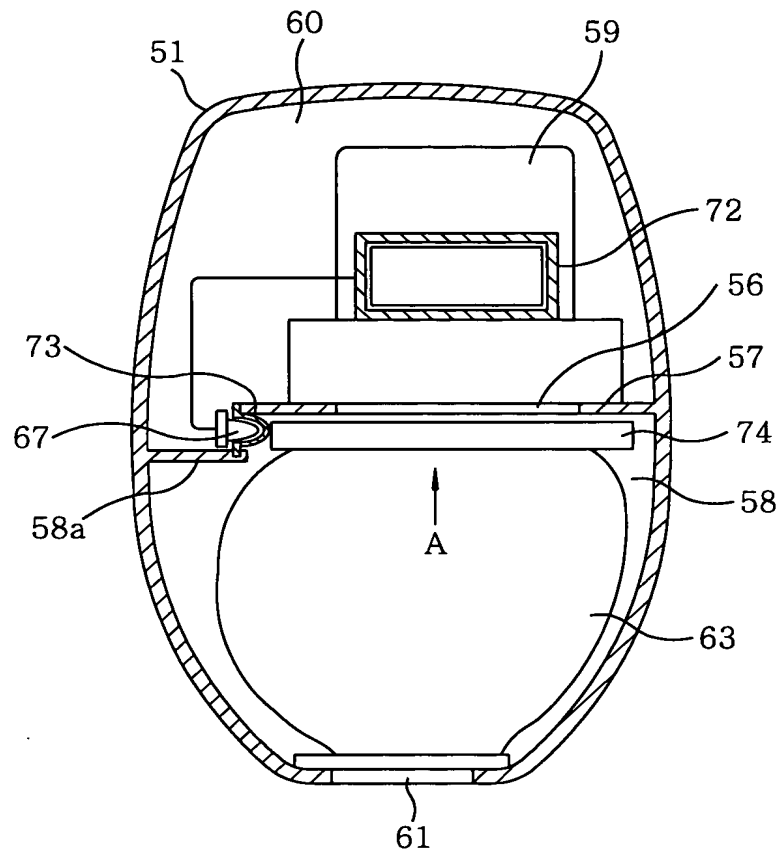


FIG. 9

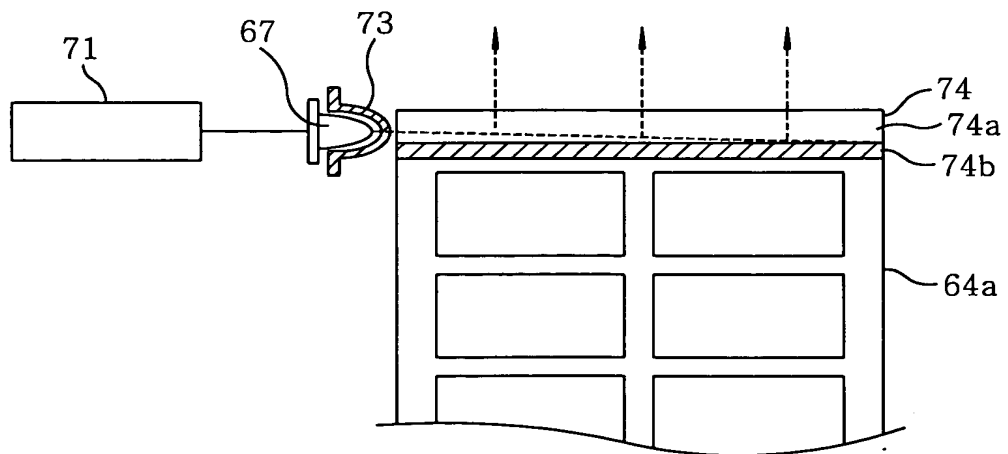


FIG. 10

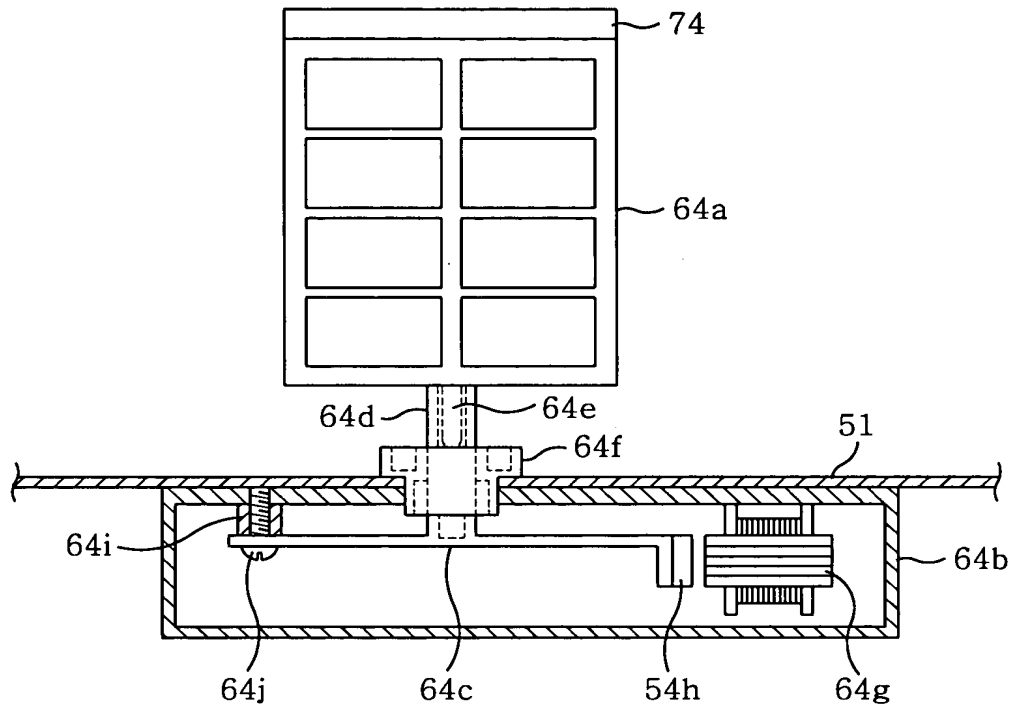
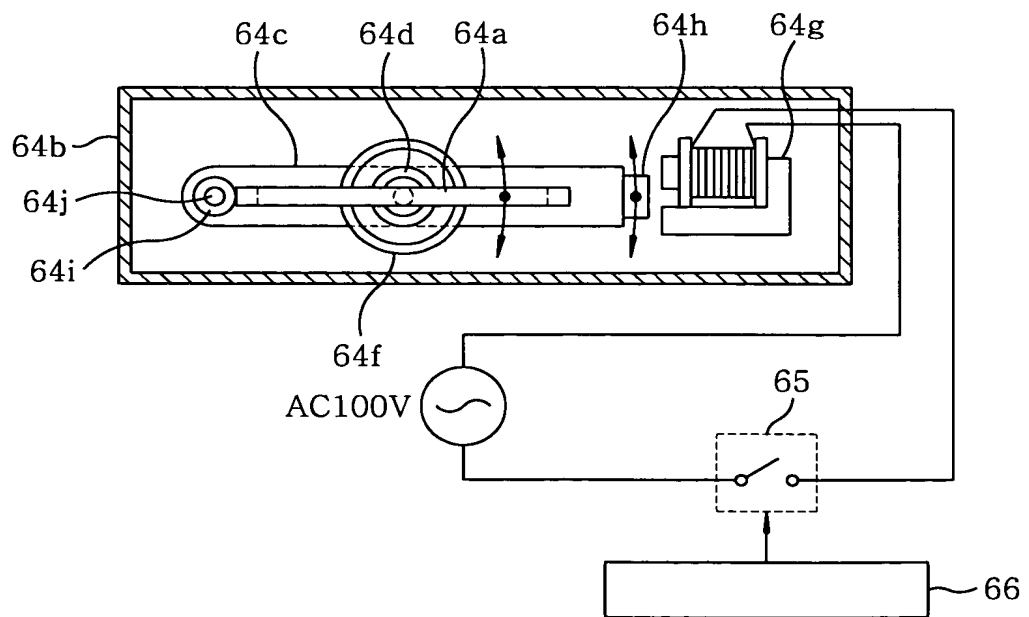


FIG. 11



The block diagram illustrates the control system for the vibration device. It features an AC 100V POWER SOURCE connected to a GRIP SWITCH CIRCUIT (75) and a DC POWER SOURCE (70). The GRIP SWITCH CIRCUIT (75) sends an OFF SIGNAL to the MOTOR CONTROL CIRCUIT (71). The DC POWER SOURCE (70) provides power to the MOTOR CONTROL CIRCUIT (71), VIBRATION CONTROL CIRCUIT (66), and DISPLAY CONTROL CIRCUIT (68). The MOTOR CONTROL CIRCUIT (71) controls a switch (65) that connects the DC POWER SOURCE (70) to the VIBRATION CONTROL CIRCUIT (66). The VIBRATION CONTROL CIRCUIT (66) sends a signal to the DISPLAY CONTROL CIRCUIT (68). The DISPLAY CONTROL CIRCUIT (68) is connected to a lamp (64) and a motor (59). The motor (59) is connected to the AC 100V POWER SOURCE. The entire system is enclosed in a dashed box (51).

The diagram illustrates the timing relationship between four signals:

- ACTIVATION OF OFF SWITCH:** A signal that transitions from ON to OFF at a specific point in time.
- ELECTRIC BLOWER:** A signal that is ON when the switch is ON and OFF when the switch transitions to OFF.
- VIBRATOR:** A signal that is OFF when the switch is ON and transitions to ON when the switch transitions to OFF. It remains ON for a duration before transitioning back to OFF.
- LED OUTPUT STATE:** A signal that is OFF when the switch is ON and transitions to ON when the switch transitions to OFF. It remains ON for the same duration as the vibrator before transitioning back to OFF.

The diagram shows that the electric blower and LED output state are active when the switch is ON, while the vibrator is active when the switch is OFF. The LED output state and vibrator are active for the same duration after the switch transitions to OFF.

FIG. 14

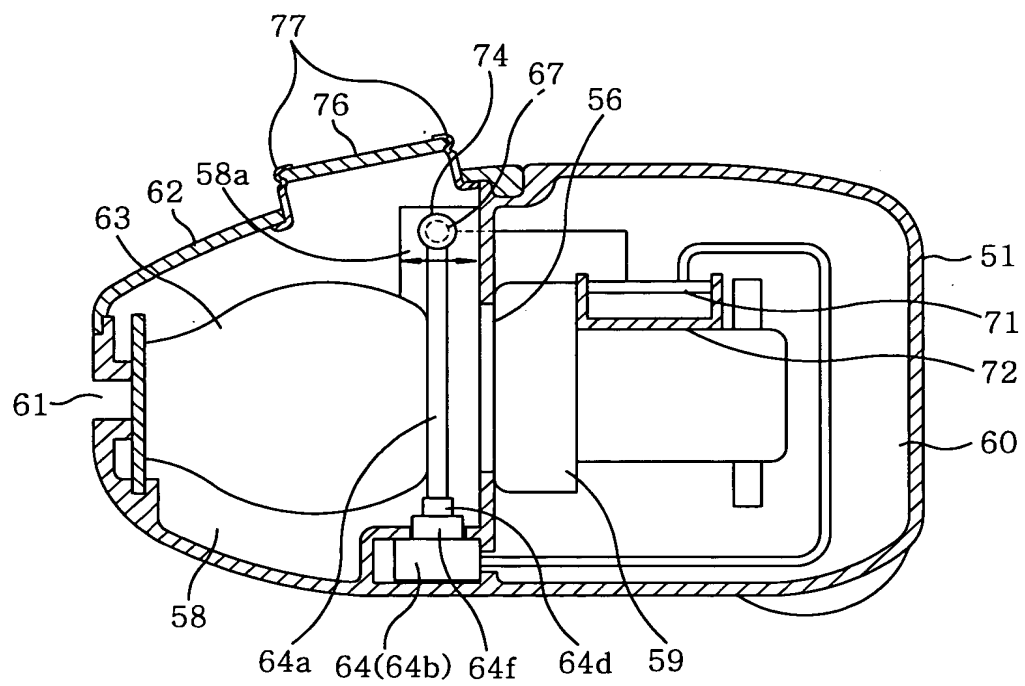


FIG. 15
(PRIOR ART)

